

What is claimed is:

1. A post filtering method for eliminating jagged effects before outputting graphic image in accordance with the characteristics of each of a pixel to determine if the pixel needs to perform filtering comprising the following steps:

5 (a) judging if a Z-value of the pixel's is equal to zero, if it is, then not perform filtering to the pixel; and

(b) if the Z-value of the pixel is not equal to zero, then judging if the pixel
10 is located at the intersection of a Z-plane, if it is, then performs filtering to the pixel.

2. The post filtering method for eliminating jagged effects of claim 1 further comprising the following steps:

(c) if the pixel is not located at the intersection of the Z-plane, then judging if the pixel is located at a constant-Z plane, if it is not, then not perform filtering to the pixel; and

(d) if the pixel is located at the constant-Z plane, then judging if a color variation value of the pixel is greater than a threshold value, if it is, then performs filtering to the pixel.

20 3. The post filtering method for eliminating jagged effects of claim 1 or claim 2, wherein a device for performing filtering action is a digital filter.

25 4. A post filtering method for eliminating jagged effects before outputting graphic image in accordance with the characteristics of each of the pixels to determine if a pixel needs to perform filtering comprising the following steps:

- (a) judging if a Z-value of the pixel is equal to zero, if it is, then not perform filtering to the pixel;
- (b) if the Z-value of the pixel is not equal to zero, then judging if the pixel is located at the intersection of a Z-plane, if it is, then performs filtering to the pixel;
- (c) if the pixel is not located at the intersection of the Z-plane, then judging if the pixel is located at a constant-Z plane, if it is not, then not perform filtering to the pixel; and
- (d) if the pixel is located at the constant-Z plane, then judging if a color variation value of the pixel is greater than a threshold value, if it is, then performs filtering to the pixel.

5. The post filtering method for eliminating jagged effects of claim 4, wherein a device for performing filtering action is a digital filter.

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